

PATENT  
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**ABSTRACT**

A system for positioning a tool head with respect to a component platform, comprising: a frame; a tool head connected to the frame, the tool head being adjustably positionable in X and Y directions; a component platform connected to the frame, the component platform being adjustably positionable in X and Y directions; and an optical system positionable to simultaneously view the tool head and the component platform. A method of aligning the position of a tool head with respect to a component platform, wherein the tool head and the component platform are both individually adjustably positionable in X and Y directions, comprising: positioning the tool head while the component platform is maintained at a fixed location; and then positioning the component platform while the tool head is maintained at a fixed location, while simultaneously viewing the positions of the tool head and the component platform with an optical system.

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